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NEC-3-VLF was used on a 719 segment model. To make a good comparison between measured and calculated data, the code was run for 51 frequencies between 1.5 and 6.5 MHz. The computer used was a Convex C210 which has close to the performance of a single processor on the Cray X/MP-48. The code was compiled to take advantage of the vector architecture of the Convex and its 64 bit word size.

There was a very good match between the antenna characteristics of the numerical model and the measurements from the brass model, showing NEC to be a viable tool for modeling a complex structure with reasonable engineering effort and use of computer resources.

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## MODELING A SHIPBOARD FAN ANTENNA

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## **Abstract**

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